Reverse Algorithm

```
                    EIA or CIA
                        |
          ┌─────────────┴─────────────┐
    EIA/CIA Positive            EIA/CIA Negative
          |
         RPR
          |
    ┌─────┴─────┐
RPR Positive   RPR Negative
Syphilis            |
(past or present)  TP-PA
                    |
          ┌─────────┴─────────┐
    TP-PA Positive      TP-PA Negative
    Syphilis            Syphilis Unlikely
    (past or present)
```